

20010512.qrp v02_n187.qrl.20010512

Date: Sat, 12 May 2001 19:03:07 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 2187

QRP-L Digest 2187

Topics covered in this issue include:

- 1) [98090] Norcal SMT transceiver
by Andrew Madsen <andrew@utahdesign.com>
- 2) [98091] Ringo info TNX!
by "T.W." <wb5qyt@abq.com>
- 3) [98092] Poqet PC Plus Serial Port
by Craig LaBarge <wb3gck@yahoo.com>
- 4) [98093] Dayton help Needed - Elecraft
by Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>
- 5) [98094] Re: Noise and antenna tuners
by "tmyers" <tmyers@academicPlanet.com>
- 6) [98095] Dayton help Needed - Elecraft (Date Correction)
by Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>
- 7) [98096] FS: 8 Nickel Metal Hydride AA Batteries
by "NZ8J" <timcook@erinet.com>
- 8) [98097] Re: capacitor tempco "SL" ??
by David Newkirk <dpnewkirk@home.com>
- 9) [98098] Batteries -SOLD
by "NZ8J" <timcook@erinet.com>
- 10) [98099] Re: "Drill Mill" PC board pad info
by Don <dwittlic@apci.net>
- 11) [98100] Rick Campbell R2/T2 boards and square wave LO's
by Bob Cromwell <bob.cromwell@home.com>
- 12) [98101] Re: "Drill Mill" PC board pad info
by "John Moriarity" <k6qq@hdo.net>
- 13) [98102] Re: Rick Campbell R2/T2 boards and square wave LO's
by Roger Traylor <traylor@ece.orst.edu>
- 14) [98103] Re: Rick Campbell R2/T2 boards and square wave LO's
by "Dave Fifield" <ad6a@earthlink.net>
- 15) [98104] Test Message #2
by "Carter Craigie" <ccraigie@email.msn.com>
- 16) [98105] Re: Rick Campbell R2/T2 boards and square wave LO's
by "Don Wilhelm" <w3fpr@arrl.net>
- 17) [98106] Appalachian Trail Activation in PA--Sunday
by "Carter Craigie" <ccraigie@email.msn.com>
- 18) [98107] Re: Rick Campbell R2/T2 boards and square wave LO's
by preacher102677@juno.com
- 19) [98108] Bands

- by "Ron Polityka" <wb3aal@fast.net>
- 20) [98109] NORCAL 20 VFO fixed
by K5BDZ@aol.com
- 21) [98110] Re: Bands
by K5BDZ@aol.com
- 22) [98111] Re: Bands
by Mike <kd0ar@alltel.net>
- 23) [98112] Re: Bands
by Hank Kohl K8DD <k8dd@arrl.net>
- 24) [98113] W7TA0: Flagstaff Scout Expo station today
by Bruce Grubbs <n7ceeqrp@earthlink.net>
- 25) [98114] Re: Rick Campbell R2/T2 boards and square wave LO's
by "Leon Heller" <leon_heller@hotmail.com>
- 26) [98115] K2 #1874 First QSO!
by "Joel Kluender, NF9K" <nf9k@eudoramail.com>
- 27) [98116] Re: 'Lil RASCAL' PSK-31 interface SUMMARY
by "Rod Cerkoney" <n0rc@hotmail.com>
- 28) [98117] SSST's case.
by "Steve/n0tu" <n0tu@webaccess.net>
- 29) [98118] Re: Bands
by "Karl F. Larsen" <k5di@zianet.com>
- 30) [98119] Re: Noise and antenna tuners
by "James R. Duffey" <jamesd1@flash.net>
- 31) [98120] borrow a wattmeter? (Mpls area)
by "Joel Kluender, NF9K" <nf9k@eudoramail.com>
- 32) [98121] RE: Losses in "450" Ohm WIndow Line
by "James R. Duffey" <jamesd1@flash.net>
- 33) [98122] Band Conditions and Other Things
by "Conant, Paul" <paul.conant@lmco.com>
- 34) [98123] Bike-QRP-Expedition underway!
by VE3JC - John C <jbcumming@wwdc.com>
- 35) [98124] New SGC ANT Tuner
by "Rod Cerkoney" <n0rc@hotmail.com>
- 36) [98125] Fw: Kenwood 440 For Sale
by wb2vuo@juno.com
- 37) [98126] ATTENTION MARTY Wanted used portable satellite/packet radio
ham equipment
by MARTIN J STRATTON <kc2cwn@juno.com>
- 38) [98127] Re: New SGC ANT Tuner
by Phil Wheeler <w7ox@earthlink.net>
- 39) [98128] Hamcalc
by George Murphy <ve3erp@encode.com>
- 40) [98129] Micro-Solar QRPp
by "Jim" <sunwatt@starband.net>
- 41) [98130] MH101: KB1ENS started and website
by John Wagner <john@neknetwork.com>
- 42) [98131] You are correct about the Band conditions de AL7FS
by Jim Larsen AL7FS <AL7FS@pobox.alaska.net>

- 43) [98132] Re: You are correct about the Band conditions de AL7FS
by Dave Fouchey <dafouchey@home.com>
- 44) [98133] Re: You are correct about the Band conditions de AL7FS
by "Rod Cerkoney" <n0rc@hotmail.com>
- 45) [98134] Atlas Analyzer
by "Ronald Smith" <ronald@atdial.net>
- 46) [98135] Solar Battery Packs
by moglesto@ecentral.com
- 47) [98136] N1XGJ ???
by neil <wa4chq@qsl.net>
- 48) [98137] Thanks for reassurance!
by "Carter Craigie" <ccraigie@email.msn.com>
- 49) [98138] printing help files
by Dan Poorman <dan@voyager.net>

Date: Fri, 11 May 2001 17:00:51 -0600
From: Andrew Madsen <andrew@utahdesign.com>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [98090] Norcal SMT transceiver
Message-ID: <3AFC6F23.27306348@utahdesign.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Is this project still being worked on, or has it been abandoned?
Anybody have more information than is on the Norcal website?

--
73,
Andrew R. Madsen AC7CF
ac7cf@youngradioamateurs.com
<http://www.youngradioamateurs.com/>
League of Young Radio Amateurs
Utah Section Manager
Electronics Committee Chairman
CW/QRP Committee Co-Chairman

Date: Fri, 11 May 2001 16:50:15 -0600
From: "T.W." <wb5qyt@abq.com>
To: <qrp-l@lehigh.edu>
Subject: [98091] Ringo info TNX!
Message-ID: <MABBIKAEJKMHLIDDMCKME0JCIAA.wb5qyt@abq.com>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Gang,

Thanks for all the responses on the Ringo info....Im all set! 72, Tom WB5QYT

Date: Fri, 11 May 2001 16:10:11 -0700 (PDT)
From: Craig LaBarge <wb3gck@yahoo.com>
To: qrp-l-mailing-list <qrp-l@lehigh.edu>
Subject: [98092] Poqet PC Plus Serial Port
Message-ID: <20010511231011.85308.qmail@web11106.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Greetings:

Could someone with personal experience confirm the pin orientation on the Poqet PC Plus' serial port? (That whacky miniature connector.)

Looking at the rear of the PC, which pin is pin #1?

73, Craig WB3GCK

Do You Yahoo!?
Yahoo! Auctions - buy the things you want at great prices
<http://auctions.yahoo.com/>

Date: Fri, 11 May 2001 17:02:55 -0700
From: Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [98093] Dayton help Needed - Elecraft
Message-ID: <3AFC7DAF.EDDB0B37@elecraft.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

We're looking for a 'Few good Hams' (actually as many as we can get..) to hang out at the Elecraft booth and help us communicate our enthusiasm for building to

others at the Dayton Hamvention next weekend, June 18-20th. If you have built a K1 or K2, or have one in process, and you enjoy meeting other like minded hams, you qualify!

This year Gary Surrency, AB7MY, our intrepid internet customer support manager and repair engineer will be joining Wayne - N6KR, Lerma - KD6ANH (my XYL) and myself at the Elecraft booth (#196). More than twice the number of Elecraft radios are in the field than last year, so we should be busy.

Last year we had a great time and want to repeat it with you this year. If you are interested in helping out at the booth for an hour or more, please email me directly (eric@elecraft.com) and I will coordinate everyone. Its a lot of fun and a great way to meet other crazed building enthusiasts, or potential ones.

As usual we will provide the refreshments, chairs to rest on and throat lozenges.

T minus 7 days and counting.

73, Eric WA6HHQ

--

<http://www.elecraft.com>

Date: Fri, 11 May 2001 19:14:52 -0500
From: "tmyers" <tmyers@academicPlanet.com>
To: <n5ib@juno.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [98094] Re: Noise and antenna tuners
Message-ID: <[00b901c0da78\\$93084fa0\\$1600a8c0@newkid](mailto:00b901c0da78$93084fa0$1600a8c0@newkid)>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

What model MFJ ATU is involved?

----- Original Message -----

From: <n5ib@juno.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Friday, May 11, 2001 3:46 PM
Subject: Noise and antenna tuners

> I had an interesting experience on the USS Kidd yesterday. I went aboard
> with the K-2 to operate come 20 m cw and was greeted by a horrendous
> noise level that the noise blanker could not suppress sufficiently. They
> were arc welding and side grinding one deck below :^))

>
> Just out of curiosity I switched over to the TenTec 544 to see if its
> blanker could do any better and voila, almost no noise, then I noticed
> the NB wasn't even on. Hmmm, the plot thickens.
>
> TMASS - the TenTec was being fed through an MFJ ATU and I was feeding
> the K-2 direct from the coax to the end-fed wire. When I switched roles
> so the K-2 saw the ATU and the TenTec was direct it was the K-2 that was
> quiet and the TenTec was noisy. The K-2 has the internal ATU, BTW.
>
> So here's a muddled analysis.....
>
> 1) The MFJ ATU is essentially a high-pass device (shunt inductance)
>
> 2) by attenuating the low frequency components of the noise pulses, the
> ATU enabled either receiver to avoid the overload/distortion which
> created the higher frequency noise artifacts *within the Rx*
>
> 3) how come the front end BPFs in the K-2 don't accomplish the same end?
> K-2 was in BATT mode, didn't think to try PERF mode, which is supposed to
> improve linearity.
>
> what say, ye wiser, though not necessarily grayer, heads?
>
> 72
> Jim N5IB
>
> Did have 3 nice QSOs BTW, one was 2 x QRP with a list member
>
> -----
> GET INTERNET ACCESS FROM JUNO!
> Juno offers FREE or PREMIUM Internet access for less!
> Join Juno today! For your FREE software, visit:
> <http://dl.www.juno.com/get/tagj>.
>

Date: Fri, 11 May 2001 17:29:09 -0700
From: Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>
To: Elecraft mail list <elecraft@qth.net>, QRP-L <qrp-l@lehigh.edu>
Subject: [98095] Dayton help Needed - Elecraft (Date Correction)
Message-ID: <3AFC83D5.3430E223@elecraft.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Oops - Yes, the correct dates are MAY 18-20.

Thanks Phil!

73, Eric

Phil Wheeler wrote:

>

> Eric Swartz WA6HHQ - Elecraft wrote:

> >

> > We're looking for a 'Few good Hams' (actually as many as we can get..) to hang
> > out at the Elecraft booth and help us communicate our enthusiasm for building
to

> > others at the Dayton Hamvention next weekend, June 18-20th.

>

> Ahhh .. I think "next weekend" in in May, Eric!

>

> Phil

Date: Fri, 11 May 2001 20:55:52 -0400

From: "NZ8J" <timcook@erinet.com>

To: <qrp-1@Lehigh.EDU>

Subject: [98096] FS: 8 Nickel Metal Hydride AA Batteries

Message-ID: <003901c0da7e\$4bdbbbc0\$6122fea9@nec>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

8 ea Sears Diehard rechargeable Nickel Metal Hydride AA batteries, 1300ma.
Charged one time, sold the FT-817, no longer need. Will ship the batteries
for \$12

Thanks

Tim

NZ8J

Date: Fri, 11 May 2001 20:56:56 -0400

From: David Newkirk <dpnewkirk@home.com>

To: qrp-1@Lehigh.EDU

Cc: n5ib@juno.com

Subject: [98097] Re: capacitor tempco "SL" ??

Message-ID: <3AFC8A58.25270A86@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: 8bit

Jim, N5IB, wrote:

"I have a bag of ceramic disk capacitors whose temperature coefficient classification is "SL" but can't find a specification for that class - how are they compared to C0G or NP0 ?"

After ten minutes of searching with the engine at <http://www.google.com>, I can report that an article on VFO temperature compensation at

<http://www.geocities.com/CapeCanaveral/Hall/8701/ham/vfodrift.htm>

sez that SL equates to N330. I think this is incorrect, however, as a manufacturer's page at

http://www.cge.com.mx/Ca3_1.html

which is perhaps more authoritative than the ham VFO article, equates SL as +350 -1000 ppm/ C, and because another manufacturer's document on dielectric codes at

<http://www.novacap.com/ClassesofDielectrics.pdf>

says that the modern equivalent to N330 is S2H.

Although this document isn't exhaustive (it doesn't cover letter-only designators like SL, and shorthandish designators like P2 (a code that doesn't omit the last [tolerance] character, it does describe in its tables and graphs more than a few of the various temperature coefficient permutations we're likely to see (C0G, S2H, X7R, etc.), and even includes the older equivalents (as N330) to some.

Happy Googling!

73,

Dave Newkirk, W9VES

Date: Fri, 11 May 2001 21:47:03 -0400
From: "NZ8J" <timcook@erinet.com>
To: <qrp-1@Lehigh.EDU>
Subject: [98098] Batteries -SOLD

Message-ID: <005701c0da85\$73084040\$6122fea9@nec>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thanks for the responses, the batteries have been sold..
NZ8J

Date: Fri, 11 May 2001 22:10:05 -0500
From: Don <dwitttlic@apci.net>
To: kimbrell@sdf.lonestar.org
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [98099] Re: "Drill Mill" PC board pad info
Message-ID: <3AFCA98D.5DC1A5C7@apci.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello,
A tool that may be very close to what you want
is a pad cutter made by Vector Electronic Co.
These are made to isolate a copper ring around a
drilled hole in a copper clad circuit board.

I was not sure they were made anymore, but here is one
shown in figure 12 of this Digikey catalog page
<http://info.digikey.com/T011/V4/571.pdf>

Perhaps just shortening the center pin of this standard tool
would allow drill press use on a board that has not been
drilled.

We do need a center pin if the tool is to be hand held.

If fabricating a tool from scratch, may I suggest
implementing a
spring loaded sharp center pin with a fairly stout spring.
If this is a hand operated tool, you need constant pressure
on the center so the bit does not walk away.

If the center pin is not spring loaded, then before
commencing with this tool, we need to have either a drilled
hole or a deep centerpunched spot.

The spring loaded pin idea is to avoid making a significant hole in the center.

One alternative to a spring loaded center would be a center pin that drills its way into the board as the outer edge cuts into the foil. Again that leaves a hole in the center.

The second alternative is a tool that starts with a deep center punch and does not depend on the center penetrating the board any farther. Rather than progress into the board, the edge cutter meets the foil and cuts on one edge as the tool is tilted and twisted. This sounds like it would require some dexterity.

Didn't mean to get wordy, but wanted to throw some further ideas into the mix.

Best 73,
Don Wittlich WN9V Belleville, IL

"Robert M. Kimbrell" wrote:

>

> On Fri, 11 May 2001, AI2Q Alex wrote:

>

> > There was also a device put out in the mid-1970s called a Drill Mill. I have
> > one here. it looks like a subminiature hole saw. The guy who used to make
> > these was named Stohler if I recall correctly, and he was a ham. I don't
> > know if these are still available.

>

> Well, I found two hams named Stohler in the FCC database. W4BF0 in
> Florida and KD7AJB in Oregon so I'm sending email to both. G4WIF's idea at
> http://www.btinternet.com/~g4wif/q_tech11.htm also looks like it does what
> I had in mind. Today I experimented with some 3/16 inch stainless steel
> tubing. I cut off a 6 inch length and clamped it in a vise on the drill
> press with the end point in up. Then I drilled into it with a bit which
> was quite a bit larger than the tubing until I got a sharp, round, cupped
> edge. Then I put this tube in the chuck and was going to try it on the
> circuit board to see if I needed to grind a notch in the blade or if it
> would work without the notch since the copper is so soft. At 6 inches in
> length, the tube was too wobbly to make a good cut so I cut it down to a
> length that just protruded beyond the chuck. That made a beautiful cut
> with just a slight pressure on the handle of the drill press. I was able
> to easily tin the pad without any solder bridge to the rest of the board.
> Using that same tube in a handheld drill motor doesn't work well at all.
> I'd still like to do this with a handheld, non-power tool since I'm

> working with kids and because there won't always be a drill press where we
> are working on our projects. I'm thinking of putting a T handle on it and
> using a stainless steel circle drawing guide to keep it from drifting.
> The pilot hole guide might still be the way to go though. Thanks to all
> who have commented so far. It's been a great learning experience!
>
> 72, DE AC7BN
> Bob Kimbrell
> Kingman, AZ

Date: Fri, 11 May 2001 22:39:57 -0500
From: Bob Cromwell <bob.cromwell@home.com>
To: qrp-l@lehigh.edu
Subject: [98100] Rick Campbell R2/T2 boards and square wave LO's
Message-ID: <01051122395700.03915@ct721463-a.lafayt1.in.home.com>
Content-Type: text/plain;
 charset="iso-8859-1"
MIME-Version: 1.0
Content-Transfer-Encoding: 8bit

-----BEGIN PGP SIGNED MESSAGE-----
Hash: SHA1

I have this nagging recollection of reading somewhere that the R2/T2 systems designed by Rick Campbell were quite happy using square waves as their quadrature LO's. That in fact performance was better using square waves than using sine waves, as the mixers would then be functioning purely as switches (which they can do) instead of trying (and failing) to be pure multipliers.

Now, of course, I cannot find that in my archive of the "QST" articles on these...

Of course, it certainly seems that you're mixing the signal with all the odd harmonics, and therefore serious bandpass filtering would be needed.

Can anyone help me out here?

I have a scheme for a nice digital-logic-based quadrature LO system, but don't know if the bandpass filtering should go on the LO ports or the RF port...

Bob KC9RG
bob.cromwell@home.com

-----BEGIN PGP SIGNATURE-----

Version: GnuPG v1.0.4 (GNU/Linux)

Comment: For info see <http://www.gnupg.org>

iEYEARECAAYFAjr8sJEACgkQE0PBXmL+TdGiZwCbBoo4XJ3mTHYPHWKCakvW1zoa
rg8An31K3JSLDey7yRAVt/3F/fx0jSS/
=Nb9q

-----END PGP SIGNATURE-----

Date: Fri, 11 May 2001 21:13:23 -0700

From: "John Moriarity" <k6qq@hdo.net>

To: <jokortge@prodigy.net>, "Low Power Amateur Radio Discussion" <qrp-
l@Lehigh.EDU>

Subject: [98101] Re: "Drill Mill" PC board pad info

Message-ID: <009101c0da99\$e3933220\$73414cd1@k6qq>

> At 11:32 AM 5/11/01 -0400, AI2Q, Alex wrote:

> >There was also a device put out in the mid-1970s called a Drill Mill.

I have a set of three. They weren't cheap!

The box says: STAHLER CO.

5521 Big Oak Drive

San Jose, CA 95129

(408) 252-4219

Part No. 6003

I have no idea if they are still in business, but I
have happily used my set for close to 30 years.

73,

John, K6QQ

Alturas, CA

Date: Fri, 11 May 2001 22:28:15 -0700

From: Roger Traylor <traylor@ece.orst.edu>

To: Bob Cromwell <bob.cromwell@home.com>

Cc: qrp-l@lehigh.edu

Subject: [98102] Re: Rick Campbell R2/T2 boards and square wave LO's
Message-ID: <20010511222815.B25510@lewis.ECE.ORST.EDU>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

Bob,

My R2 is very happy with square wave inputs. I drive my SBL-1s from two 74AC04 inverters operating in parallel. Their combined output impedance is about 7 ohms, so I source terminate with a 43 ohm resistor followed by a pad to get 7dbm drive into 50 ohms.

Even if you put a sine wave LO into the DBM it gets squared off, so don't sweat the square wave. And yes, it responds quite nicely to 3rd, 5th, 7th.... harmonic sigals. So put your BPF on the input side of the mixers.

Best wishes,

Roger Traylor
WB4TPW

at 10:39:57PM -0500, Bob Cromwell wrote:

> -----BEGIN PGP SIGNED MESSAGE-----
> Hash: SHA1
>
>
> I have this nagging recollection of reading somewhere that the R2/T2
> systems designed by Rick Campbell were quite happy using square waves
> as their quadrature LO's. That in fact performance was better using
> square waves than using sine waves, as the mixers would then be
> functioning purely as switches (which they can do) instead of trying
> (and failing) to be pure multipliers.
>
> Now, of course, I cannot find that in my archive of the "QST" articles
> on these...
>
> Of course, it certainly seems that you're mixing the signal with all
> the odd harmonics, and therefore serious bandpass filtering would be
> needed.
>
> Can anyone help me out here?
>
> I have a scheme for a nice digital-logic-based quadrature LO system,
> but don't know if the bandpass filtering should go on the LO ports
> or the RF port...
>
> Bob KC9RG

> bob.cromwell@home.com
>
> -----BEGIN PGP SIGNATURE-----
> Version: GnuPG v1.0.4 (GNU/Linux)
> Comment: For info see <http://www.gnupg.org>
>
> iEYEARECAAYFAjr8sJEACgkQE0PBXmL+TdGiZwCbBoo4XJ3mTHYPHWKCakvW1zoa
> rg8An31K3JSLDey7yRAVt/3F/fx0jSS/
> =Nb9q
> -----END PGP SIGNATURE-----

Date: Sat, 12 May 2001 01:47:47 -0700
From: "Dave Fifield" <ad6a@earthlink.net>
To: <bob.cromwell@home.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [98103] Re: Rick Campbell R2/T2 boards and square wave LO's
Message-ID: <001101c0dac0\$3892e1a0\$0600a8c0@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The latest QEX magazine has an interesting article in it about obtaining the best possible performance from DBM's. The trick is to terminate all ports properly (of course!). I would recommend anyone designing/playing with DBM's to read the article.

Regards,
Dave Fifield, AD6A

----- Original Message -----
From: "Bob Cromwell" <bob.cromwell@home.com>
(snip)
I have a scheme for a nice digital-logic-based quadrature LO system, but don't know if the bandpass filtering should go on the LO ports or the RF port...

Bob KC9RG

Date: Sat, 12 May 2001 07:44:00 -0400
From: "Carter Craigie" <ccraigie@email.msn.com>
To: "Low Power Amateur Discussion" <qrp-1@Lehigh.EDU>

Subject: [98104] Test Message #2
Message-ID: <004301c0dad8\$d854c880\$de190a3f@satellite>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

No message I posted seen here; I must be doing something wrong.
72,
Carter, N3A0

Date: Sat, 12 May 2001 07:41:38 -0400
From: "Don Wilhelm" <w3fpr@arrl.net>
To: <bob.cromwell@home.com>, "Low Power Amateur Radio Discussion" <qrp-
l@Lehigh.EDU>
Subject: [98105] Re: Rick Campbell R2/T2 boards and square wave LO's
Message-ID: <002b01c0dad8\$aaf5cb00\$b0c83004@dbw11main>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Bob,
Most any diode ring mixer will be happier with square waves at the LO port.
Yes the R2/T2 falls into that category. It just so happens that quadrature
outputs are easily obtained from digital VFO designs, and that makes their
use in the R2/T2 a real plus - but the phase noise of digital VFOs is a
downer and reduces the MDS substantially. I guess it is a compromise just
like everything else in life.

73,
Don Wilhelm -Chapel Hill, NC W3FPR home page: <http://www.qsl.net/w3fpr/>
QRP-L # 485 K2 SN 0020 [mailto: w3fpr@arrl.net](mailto:w3fpr@arrl.net)

----- Original Message -----

From: "Bob Cromwell" <bob.cromwell@home.com>

>

> I have this nagging recollection of reading somewhere that the R2/T2
> systems designed by Rick Campbell were quite happy using square waves
> as their quadrature LO's. That in fact performance was better using
> square waves than using sine waves, as the mixers would then be
> functioning purely as switches (which they can do) instead of trying
> (and failing) to be pure multipliers.

>

>

Date: Sat, 12 May 2001 07:54:01 -0400
From: "Carter Craigie" <ccraigie@email.msn.com>
To: "Low Power Amateur Discussion" <qrp-l@Lehigh.EDU>
Subject: [98106] Appalachian Trail Activation in PA--Sunday
Message-ID: <009f01c0dada\$3e3a2ea0\$de190a3f@satellite>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I plan to go for a day-hike on the Appalachian Trail in Pennsylvania this coming Sunday, May 13th.

I will start near Hawk Mountain Sanctuary near Kempton/Eckville, PA.

I expect to start hiking about 9:00 A.M. E.D.S.T. My destination will be Dan's Pulpit, a spot having a 360-degree view; I'll probably have to go find a tree branch (for my INV Vee) a bit away from this "peak."

I hope to be on the air by 11:00 A.M. And I'll probably pack up shop around 2:00.

I will look for a clear spot between 7.040 - 7.045; if nothing there, I will go UP in frequency. If no responses to my CQs, I'll go to 14.060 - 14.063+. If nothing there, it's back to 40 meters.

I will take my (20/40-meter) Elecraft K1 rig running between 3-5 watts; a dipole cut for 40 meters (I'm depending on the K1's internal antenna tuner to help me get out a good signal on 20 meters); and a 2.3 Ahr gel cell. I might take along a solar panel and charge controller if my pack doesn't get too heavy.

I hope to hear lots of activity. I don't copy too fast, so be easy on me please.

Any questions? Use my email address below. Thanks muchly!

73/72,

Carter Craigie N3AO
EPA QRP Nr. 13
K2, s/n 678
K1, s/n 159
n3ao@arrl.net

Date: Sat, 12 May 2001 09:01:43 -0400
From: preacher102677@juno.com
To: qrp-1@Lehigh.EDU
Subject: [98107] Re: Rick Campbell R2/T2 boards and square wave LO's
Message-ID: <20010512.090145.-153601.0.preacher102677@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Could phase noise be eliminated by the use of a noise canceling circuit?
Or would the noise canceller cancel the CW tone too?

On Sat, 12 May 2001 07:41:38 -0400 "Don Wilhelm" <w3fpr@arrl.net> writes:

> Bob,
> Most any diode ring mixer will be happier with square waves at the
> LO port.
> Yes the R2/T2 falls into that category. It just so happens that
> quadrature
> outputs are easily obtained from digital VFO designs, and that makes
> their
> use in the R2/T2 a real plus - but the phase noise of digital VFOs
> is a
> downer and reduces the MDS substantially. I guess it is a
> compromise just
> like everything else in life.
> 73,
> Don Wilhelm -Chapel Hill, NC W3FPR home page:
> <http://www.qsl.net/w3fpr/>
> QRP-L # 485 K2 SN 0020 [mailto: w3fpr@arrl.net](mailto:w3fpr@arrl.net)
>

LIC,
G. Brandon Hoyt --"Known far and Wide as the Great Pumpkin."
Photographer, Philosopher, Preacher, Pirate, Poet.
DE KG4GVL Clear.

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<http://dl.www.juno.com/get/tagj>.

Date: Sat, 12 May 2001 09:42:03 -0400
From: "Ron Polityka" <wb3aal@fast.net>
To: ". QRP-L" <qrp-1@Lehigh.EDU>

Subject: [98108] Bands
Message-ID: <016e01c0dae9\$5728ca20\$7d085cd1@wb3aal>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello,

Are the bands in that bad of shape?

I hear no signals.

72 & 73
Ron de WB3AAL
www.n3epa.org

Date: Sat, 12 May 2001 09:44:01 EDT
From: K5BDZ@aol.com
To: qrp-1@lehigh.edu
Subject: [98109] NORCAL 20 VFO fixed
Message-ID: <cb.10ec901c.282e9821@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Well, thanks ALL for the replies and hints on fixing the NorCal 20 VFO problem.
Actually I had to do it the hard way... start removing, testing and replacing one component at a time.

Turned out to be a faulty component - the trim cap in the VFO circuit had some sort of a short - still not found - and when it was replaced the VFO came alive! It's now set for 5.000 MHz bottom freq (14.000 op freq) as it should be.

All is now working well, per specs. Thanks designers for the extra capacitor position in the VFO circuit. I was able to replace caps to give my preferred frequency coverage while giving myself this "lobotomy"

And the little "cheeeep RS solder sucker" performed like a champ!

Bill K5BDZ

Date: Sat, 12 May 2001 09:45:30 EDT
From: K5BDZ@aol.com
To: qrp-l@lehigh.edu
Subject: [98110] Re: Bands
Message-ID: <6b.143979b5.282e987a@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Ron
Bands are bad this Sat AM
Bill 'BDZ

Date: Sat, 12 May 2001 10:02:32 -0400
From: Mike <kd0ar@alltel.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [98111] Re: Bands
Message-ID: <01051210023200.01069@kd0ar-1.homeip.net>
Content-Type: text/plain;
charset="US-ASCII"
MIME-Version: 1.0
Content-Transfer-Encoding: 8bit

On Saturday 12 May 2001 09:45, you wrote:
> Ron
> Bands are bad this Sat AM
> Bill 'BDZ

Of course they are, its a weekend!

Date: Sat, 12 May 2001 10:15:33 -0400
From: Hank Kohl K8DD <k8dd@arrl.net>
To: wb3aal@fast.net
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [98112] Re: Bands
Message-ID: <5.0.2.1.2.20010512101306.02500700@mail.tir.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Latest WWV on the DXPacketCluster:

12 May 1200Z Solar Flux 137 A 9 K 5 Last 24 Low/Quiet/Minor Storm
Next 24 Low/Unset-Active

Lot of 6M spots

At 09:42 AM 5/12/2001 -0400, Ron Polityka wrote:

>Hello,

>

>Are the bands in that bad of shape?

>

>I hear no signals.

>

>72 & 73

>Ron de WB3AAL

>www.n3epa.org

*/ Hank Kohl K8DD k8dd@arrl.net
*/ ARRL TS <http://www.qsl.net/k8dd>
*/ MI-QRP - Vice Pres. QRP-ARCI - Director
*/

Date: Sat, 12 May 2001 07:05:37 -0700
From: Bruce Grubbs <n7ceeqrp@earthlink.net>
To: QRP-L <qrp-l@Lehigh.EDU>, Elecraft reflector <elecraft@qth.net>
Subject: [98113] W7TA0: Flagstaff Scout Expo station today
Message-ID: <5.1.0.14.0.20010512070304.00ae1530@earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Scott (K7ZEN) and I will be operating W7TA0 from Flagstaff's Wheeler Park today from 1700-2100Z. We'll be on 20 meters and up, cw, psk, and maybe even ssb, if I remember the mike. We'll be running my K2 and K1 into a DK9SQ vertical.

73,
Bruce
N7CEE

Date: Sat, 12 May 2001 14:22:51
From: "Leon Heller" <leon_heller@hotmail.com>
To: bob.cromwell@home.com, qrp-l@Lehigh.EDU
Subject: [98114] Re: Rick Campbell R2/T2 boards and square wave L0's

Message-ID: <F69DreBBsQwY6YHkidc00002ce7@hotmail.com>

Mime-Version: 1.0

Content-Type: text/plain; format=flowed

>

>I have this nagging recollection of reading somewhere that the R2/T2
>systems designed by Rick Campbell were quite happy using square waves
>as their quadrature LO's. That in fact performance was better using
>square waves than using sine waves, as the mixers would then be
>functioning purely as switches (which they can do) instead of trying
>(and failing) to be pure multipliers.

Diode DBMs prefer square waves. In fact, if you look at the oscillator
signal at the mixer LO port, you will see that it gets clipped by the
diodes, so you are better off with a square wave in the first place. MCL
have some info on this for their mixers.

73, Leon

--

Leon Heller, G1HSM Tel: (work): +44 1327 357824 (home): +44 1327 359058

Email:leon_heller@hotmail.com My web page:

http://www.geocities.com/leon_heller IRISYS Ltd: <http://www.irisys.co.uk>

Get Your Private, Free E-mail from MSN Hotmail at <http://www.hotmail.com>.

Date: Sat, 12 May 2001 09:22:15 -0500

From: "Joel Kluender, NF9K" <nf9k@eudoramail.com>

To: qrp-l@lehigh.edu, elecrafft@qth.net

Subject: [98115] K2 #1874 First QSO!

Message-ID: <HGMBEDBFMHNPDBAA@shared1-mail.whowhere.com>

Mime-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Language: en

Content-Transfer-Encoding: 7bit

All,

K2 #1874 has passed all tests, and the first QSO has been made! 40 meters CW to

Ohio, forgot the call now that I'm in the house.

Yippeeeeeee!

Joel N0KR

Joel Kluender, N0KR
870 Prairie Street S.
Shakopee, MN 55379

"All men are like grass, and all their glory is
like the flowers of the field; the grass
withers and the flowers fall, but the word of
the Lord stands forever." (I Peter 1:24-25)

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<http://www.eudoramail.com>

Date: Sat, 12 May 2001 08:24:17 -0600
From: "Rod Cerkoney" <n0rc@hotmail.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [98116] Re: 'Lil RASCAL' PSK-31 interface SUMMARY
Message-ID: <0E695AyjgLjjq50K8pa00001a68@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Folks,

I got lots of positive feedback on this item so I ordered on. The
price is just to good to pass up:

- o High quality parts
- o PCB
- o Good design opto isolation on RS232, XFMR for Audio
- o All the cables needed
- o All the connectors even the fancy DIN connector for the RIG
- o Shipping via USPS Priority included in Purchase price

All that for only \$25!!! Can't beat it with a stick. ;-)

I post a brief review after it arrives and is built.

73, Rod N0RC
Ft Collins, CO

SuperFest 2001 14-Jul-2001
<http://www.qsl.net/n0rc/hamfest/hamfest.html>
BE THERE!

----- Original Message -----

From: "Rod Cerkoney" <n0rc@hotmail.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Thursday, May 10, 2001 06:19 AM
Subject: RFI: 'Lil RASCAL' PSK-31 interface

> Folks;
>
> Anybody have direct experience with this device, found at:
>
> <http://www.packetradio.com/psk31.htm>
>

Date: Sat, 12 May 2001 08:42:38 -0600
From: "Steve/n0tu" <n0tu@webaccess.net>
To: "QRP-L" <QRP-L@lehigh.edu>
Cc: "Nick Hulbert" <nick.hulbert@lmco.com>, "Lou Martin" <lmartin@uswest.net>,
"Ken Kopp" <k0pp@att.net>, "Dave Ek" <ekdave@earthlink.net>,
"John Evans" <jae@codenet.net>, "K0ZK" <K0ZK@hotmail.com>
Subject: [98117] SSST's case.
Message-ID: <000301c0daf1\$cc6ad1e0\$6a211d82@sg2939h.col.hp.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi gang,

I got my scratch-built SST in it's case.

<http://www.webaccess.net/~s&p/images/SSST.jpg>

<http://www.webaccess.net/~s&p/images/SSSTtop.jpg>

Next is putting a keyer and the Unicounter in the lid(or maybe an AFA

instead?). This guy is turning out to be kinda trail friendly in terms of weight. Although I'll have to be careful not to drop it on a rock! But I bought a spare case. There were \$2.50 at a local Hobby Lobby.

Yeah, bands kinda weird. Heard a loud JA this morn' on 30m ...only signal on the band. Just worked a K5 in Texas who was running 80w but he quickly faded into the noise! Must be the Dayton syndrome!

Back to building. Steve/n0tu

Date: Sat, 12 May 2001 08:40:30 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Mike <kd0ar@alltel.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [98118] Re: Bands
Message-ID: <Pine.LNX.4.33.0105120837400.1536-1000000@localhost.localdomain>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Last evening I talked to Australia for 2 hours straight, signals never less than 599 on 15 meters. I checked, we were the only stations on the band!

Don't say the bands are dead unless you called CQ 8 times and no calls. Come to think of it check your antenna's too...:-)

On Sat, 12 May 2001, Mike wrote:

> On Saturday 12 May 2001 09:45, you wrote:
> > Ron
> > Bands are bad this Sat AM
> > Bill 'BDZ
>
>
> Of course they are, its a weekend!
>
>

--
Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Sat, 12 May 2001 08:41:00 -0600
From: "James R. Duffey" <jamesd1@flash.net>
To: <n5ib@juno.com>, qrp-l <qrp-l@lehigh.edu>
Subject: [98119] Re: Noise and antenna tuners
Message-ID: <B722A79B.95D4%jamesd1@flash.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

Jim - My guess is that the difference you hear in the noise is due to different ways the two rig/antenna tuner combination handle the ground/counterpoise that you have. I think that the noise is being conducted in on the "ground" in one case and not the other.

You might want to switch the ways the two rigs are grounded as well as switching the antenna tuner. Just to prove this old gray hair wrong (or right if I am lucky).

By the way, I always appreciate hearing you on during QRP contests and activities. You are one of the stations that can always be relied on to be there. Usually with a good signal too. - Dr. Megacycle KK6MC/5

--
James R. Duffey KK6MC/5
30 Casa Loma Road
Cedar Crest, NM 87008

Date: Sat, 12 May 2001 09:44:39 -0500
From: "Joel Kluender, NF9K" <nf9k@eudoramail.com>
To: qrp-l@lehigh.edu, elecrafft@qth.net
Subject: [98120] borrow a wattmeter? (Mpls area)
Message-ID: <DPCLCMKCFLOPDBAA@shared1-mail.whowhere.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Language: en
Content-Transfer-Encoding: 7bit

All,

I'm looking to borrow a known working and reasonably accurate wattmeter to compare the Elecraft K2 internal wattmeter with something more accurate. I live in SW minneapolis metro area (Shakopee). Anyone willing to loan me one?

I have an MFJ tuner with built-in wattmeter that is acting very flaky. It reads 5W

or more when the K2 says 2.0 W. I have a Sears 10W meter (I presume it was used for CB, picked up at a garage sale) which tells me 5.0 W when the K2 says 3.8 W. I wonder if it's frequency response is good throughout the ham bands or not...

I'm really just looking for any reasonably accurate meter with which I can measure the K2 power accurately. Current drain and all other specs seems normal for the K2 so I am thinking it is my meters which are flaky.

If anyone can help me out I'd appreciate it. I need to build me one of the OHR wattmeters one of these days! Thanks in advance for the assistance!

73,

Joel N0KR

Joel Kluender, N0KR
870 Prairie Street S.
Shakopee, MN 55379

"All men are like grass, and all their glory is
like the flowers of the field; the grass
withers and the flowers fall, but the word of
the Lord stands forever." (I Peter 1:24-25)

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<http://www.eudoramail.com>

Date: Sat, 12 May 2001 08:50:16 -0600
From: "James R. Duffey" <jamesd1@flash.net>
To: <aa4lr@arrl.net>, qrp-l <qrp-l@lehigh.edu>
Subject: [98121] RE: Losses in "450" Ohm WIndow Line
Message-ID: <B722A9C8.95DE%jamesd1@flash.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

Bill - I believe that the formula quoted only holds for lines that are very long (say 100X or more) with respect to the line spacing. I think that shorter lines will radiate more than the formula indicates due to the ends of the line. Very long non ideal lines will radiate less RF (but more IR) power due to resistive losses.

That said, recall that the statement was only about the total power radiated

by the line. Nothing was said about the pattern, which will probably be much different between the one inch and 100 mile line you quote. :^). - Dr.

Megacycle KK6MC/5

--

James R. Duffey KK6MC/5
30 Casa Loma Road
Cedar Crest, NM 87008

Date: Sat, 12 May 2001 09:11:57 -0600
From: "Conant, Paul" <paul.conant@lmco.com>
To: "Qrp-L (Post To List) (E-mail)" <qrp-l@lehigh.edu>
Subject: [98122] Band Conditions and Other Things
Message-ID: <675067CF647BD4118DEA00508BE32AB47EAB55@emss02m09.ems.lmco.com>
Content-return: allowed
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

For the past several days, 30-m has sounded exceptionally noisy at my location. Then at around 1030 UTC today, 0530 CDT, there was almost no noise on the band. Even the digital signals that are usually so prominent could barely be heard. All of a sudden, I heard a really strong CQ that I answered. It was K2QPR operating a Viking Adventurer at 20W and listening on a Sky Champion receiver. This duplicated the station he started with 46 years ago (except for the 30-m crystal). Anyway, I always assume the band is open to somewhere.

I spent part of yesterday assembling a VEC-102K Shortwave Regenerative Receiver. They sent the wrong pots for regen and audio level, but replacements are on the way. It's a really nice kit with a good solid case, very nice PCB, and an air-variable cap with 6:1 reduction. With its two head-phone jacks, I hope to be able to interest my 9-yr old in SWling together. I just hope my workmanship is satisfactory. I sure hate it when kits don't work the first time.

73,

Paul, WQ5X

Date: Sat, 12 May 2001 11:23:05 -0400
From: VE3JC - John C <jbcumming@wwdc.com>
To: BMHA group <BMHA@yahooogroups.com>, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>, QRP-CANADA <qrp-canada@lists.gpfn.sk.ca>

Subject: [98123] Bike-QRP-Expedition underway!
Message-ID: <3AFD5559.66F14AF@wwdc.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

KB8U, VE3ELA and VE3JC are on the road to Dayton. Please listen for us on the usual QRP frequencies. Watch especially for
KB8U on 20 meters (around 14.060)
VE3ELA on 10,15,20, and 40
VE3JC near 10.106 cw, 18.140 ssb plus other ssb and cw qrp frequencies

If you work us, qsl via QRP-ARCI, and post to the list to let others know where we are!

See everyone in Dayton!

--

Q		VE3JC John Cumming
/\		Delaware, ON CANADA
@` /<-----		jbcumming@wwdc.com
(*) \(*)		hf qrp cw bicycle mobile
		http://www.geocities.com/CapeCanaveral/Lab/7378/

Date: Sat, 12 May 2001 09:42:18 -0600
From: "Rod Cerkoney" <n0rc@hotmail.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>, <icom@qth.net>
Subject: [98124] New SGC ANT Tuner
Message-ID: <0E70okLQ8aZRhQd0gl400001af5@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Folks,

I see SGC has introduced a new tuner, the SG-239, info at:

<http://www.sgcworld.com/products/239/239.html>

This looks to be an interesting item.

- o interfaces with Icom 706***, ft-817, and other rigs
- o memory settings to speed tuning
- o nice price, \$200

No reviews on the ARRL or eHam site, but it looks good on paper.

What's the opinion of others out there?

73, Rod N0RC
Ft Collins, CO

SuperFest 2001 14-Jul-2001
<http://www.qsl.net/n0rc/hamfest/hamfest.html>
BE THERE!

Date: Sat, 12 May 2001 11:43:23 -0400
From: wb2vuo@juno.com
To: qrp-1@lehigh.edu
Subject: [98125] Fw: Kenwood 440 For Sale
Message-ID: <20010512.114324.-150489.0.wb2vuo@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I am NOT selling the radio. Lynn is a local ham, visually-impaired, and is looking to find a new home for the rig (He has a TS-850 and the '440 is surplus to him)

Contact Lynn directly as listed below...

72/73, Keith, WB2VU0, 100% QRP from the Depths of the Great Bergen Swamp
President, Brockport Amateur Radio Klub & Tech Coordinator, ARRL WNY
Section
My night light runs more power than my Rig!!!
Replies - <mailto:wb2vuo@arrl.net>

----- Forwarded message -----
From: "Lynn Rosenberg" <Lynn@eznet.net>
To: "Keith Hibbert" <wb2vuo@arrl.net>
Date: Tue, 8 May 2001 11:54:39 -0400
Subject: Kenwood 440
Message-ID: <001001c0d7d7\$434f8800\$928569d1@eznet.net>

Hi Keith, here is the information on the radio.

Kenwood 440 hf Transeiver, with auto antenna tuner, speech synthesizer,
owner and service manual, hand mike, matching supply, streight keyer, and
osolator for adjusting speed for cw, no filters,

have had it 12 years,

in good condition \$600 or best offer and will ship in Us.

Can be reached at lynn@eznet.net or can phone me at 716-865-2585.

Thanks. Lynn Rosenberg

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<http://dl.www.juno.com/get/tagj>.

Date: Sat, 12 May 2001 11:49:45 -0400

From: MARTIN J STRATTON <kc2cwn@juno.com>

To: preacher102677@juno.com

Cc: qrp-1@Lehigh.EDU

Subject: [98126] ATTENTION MARTY Wanted used portable satellite/packet radio
ham equipment

Message-ID: <20010512.115517.12334.0.kc2cwn@juno.com>

Hi all

I am marty

USNR in the delayed entry program hi hi

I am a store keeper in a NR cargo company.

I will be soon stationed far awar from US.

I have been a CW operator for 3 years.

I used to be a VEC and a NTS Official Relay and Emergency
station OP for NYS CW nts cw net.

I also have a commercial GROL license wid radar endoresement.

Now I need some way to make contact with

ham radio friends and non ham radio

relatives in US and abroad.

I have a lap top and a mobile 2M kenwood rig TM 231 A.

I understand I have to be able to transmit on

one band and simultaneously receive on the
other.

How many birds for 2m /70cm are up and working?

Is it easy to access them?

Is it possible to pass email through the
satellite?

I understand I can hit a satellite
using low power on my mobile kenwood rig and just a
circular polarized antenna?

All I need is a TNC, and a 440MHz radio, and a program?

Where can I Down load the
times for the satellite passes?

All I need is a reciprocal agreement and my
ham radio license?

Please send replies with ATTENTION MARTY
so I don't accidentally delete them.

73 'S DE Marty
SKSN/E3 USNR

This server will accept text only.

please send any attachments to
KC2CWN@YAHOO.COM

another topic
Are there PBBS packet radio BBS's in the middle east?
is there a site I can use to check out the PBBS locations?

Date: Sat, 12 May 2001 08:57:23 -0700
From: Phil Wheeler <w7ox@earthlink.net>
To: n0rc@hotmail.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [98127] Re: New SGC ANT Tuner
Message-ID: <3AFD5D63.9DBBE26F@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Rod Cercone wrote:

>
> Folks,
>
> I see SGC has introduced a new tuner, the SG-239, info at:
>
> <http://www.sgcworld.com/products/239/239.html>

>

Looking at their comparison table, this one is *not* in an environmentally protected enclosure; so it is for shack of vehicle (vs. at the antenna base outdoors) use. It also requires somewhat longer wires for low bands than the other models.

OTOH they have reduced the required power drive, so it will work well with QRP radios.

Looks like a good product, and intended to compete well with LDG tuners.

73, Phil W70X

Date: Sat, 12 May 2001 12:41:57 -0400
From: George Murphy <ve3erp@encode.com>
To: qrp-l@lehigh.edu
Subject: [98128] Hamcalc
Message-ID: <4.3.2.7.0.20010512123754.00a94750@encode.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hi Everyone!

Hamcalc version 51 has just been released. Anyone interested in more info and a list of programs please e-mail me direct (off-list) with the following message:

hamcalc?

-73- Murph VE3ERP
The Hamcalc Guy

Date: Sat, 12 May 2001 11:00:06 -0500
From: "Jim" <sunwatt@starband.net>
To: "SolarQRP" <QRPSolarPower@yahoogroups.com>
Cc: <qrp@yahoogroups.com>, "QRP-L" <qrp-L@Lehigh.edu>
Subject: [98129] Micro-Solar QRPP
Message-ID: <000201c0db06\$2ed56e80\$9a354794@computer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Interested in solar power, but not rolling in extra cash?

Maybe micro-solar is for you. I was looking at ads for those tiny solar panels, and I'm sure a person could build such a system, for very little cash.

To operate a 1w CW station, or maybe a 1/2w QRPp station why not start with something like those car battery conditioners, that you put on the dashboard of the car, and plug into the lighter socket?

They sell for \$20. and even less if you want to shop around.

Or have you seen the 40mW 3v panels at www.allelectronics.com ? They sell for \$3.50 each, and you would need at least 5 of them strung together.

I found a neat website with many small solar devices, and you might very well find something affordable, and usefull. I think they have just about every small solar device made listed, and for sale.

<http://www.global-merchants.com/home/solars.htm>

I've never bought anything from them, but if your in the market for a small solar panel, it might be a place to look.

72's de Jim KJ5TF

<http://sunwatt.homestead.com/Main.html>

Date: Sat, 12 May 2001 13:30:55 -0400
From: John Wagner <john@neknetwork.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [98130] MH101: KB1ENS started and website
Message-ID: <3AFD734F.1CE276AA@neknetwork.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello all,

I have started a web page to chronicle my progress in building the Manhattan style SW-30+. My site is at:
<http://www.qsl.net/kb1ens/sw30/sw30mh.html>

At this point I've got a good chunk of the VFO done. As soon as the Norcal Toroid kit arrives and I pick up my missing capacitors it will be

finished. I'll add pictures and commentary to the site as the build progresses.

73,

John, KB1ENS

--

John Wagner - john@neknetwork.com

Web page: <http://www.neknetwork.com>

Date: Sat, 12 May 2001 12:46:15 -0800

From: Jim Larsen AL7FS <AL7FS@pobox.alaska.net>

To: "qrp-1@lehigh.edu" <qrp-1@lehigh.edu>

Subject: [98131] You are correct about the Band conditions de AL7FS

Message-ID: <3AFDA117.55F526E4@pobox.alaska.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

At about 2000Z I checked the bands. There was only one very weak station calling CQ FISTS on 15 meters. The entire rest of 15, 20 and 10 meters had not one CW signal on it anywhere.

I think I will skip operating today. It just seems like the thing to do. :-)

73, Jim

--

Jim Larsen, AL7FS, Anchorage, Alaska

(BP51cc) - 61.101 North, 149.824 West

<mailto:al7fs@arrl.net> - <http://www.qsl.net/al7fs/>

Date: Sat, 12 May 2001 17:00:00 -0400

From: Dave Fouchey <dafouchey@home.com>

To: AL7FS@pobox.alaska.net, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [98132] Re: You are correct about the Band conditions de AL7FS

Message-ID: <4.1.20010512165806.009624d0@mail>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Know what you mean, I went out and cut the grass and planted out some spinach plants, onion and garlic sets, far more productive than listening to dead air...even if they were just "honey do's"

Dave
WA4EMR/8

At 12:46 PM 5/12/2001 -0800, Jim Larsen AL7FS wrote:
>At about 2000Z I checked the bands. There was only one very weak
>station calling CQ FISTS on 15 meters. The entire rest of 15, 20 and 10
>meters had not one CW signal on it anywhere.
>
>I think I will skip operating today. It just seems like the thing to
>do. :-)
>
>73, Jim
>--
>Jim Larsen, AL7FS, Anchorage, Alaska
>(BP51cc) - 61.101 North, 149.824 West
>mailto:al7fs@arrl.net - <http://www.qsl.net/al7fs/>

Date: Sat, 12 May 2001 15:03:33 -0600
From: "Rod Cerkoney" <n0rc@hotmail.com>
To: <AL7FS@pobox.alaska.net>, "Low Power Amateur Radio Discussion" <qrp-
l@Lehigh.EDU>
Subject: [98133] Re: You are correct about the Band conditions de AL7FS
Message-ID: <0E58d0gl4rhYQYx3G5a00001bdf@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Yep, just got done washing/waxing the car, THAT'S HOW BAD IT IS HERE!

73, Rod N0RC
Ft Collins, CO

SuperFest 2001 14-Jul-2001
<http://www.qsl.net/n0rc/hamfest/hamfest.html>
BE THERE!

----- Original Message -----
From: "Jim Larsen AL7FS" <AL7FS@pobox.alaska.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Saturday, May 12, 2001 02:46 PM
Subject: You are correct about the Band conditions de AL7FS

> I think I will skip operating today. It just seems like the thing
to
> do. :-)
>

Date: Sat, 12 May 2001 14:58:51 -0700
From: "Ronald Smith" <ronald@atdial.net>
To: qrp-l@lehigh.edu
Subject: [98134] Atlas Analyzer
Message-ID: <200105122158.RAA17038@aldebaran.concentric.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Gang;

The Peak Atlas component analyzer I ordered 8 days ago arrived today. I am on the left coast, and wasn't expecting it for a few more days. What an amazing device it is. OK, I'm going back to attempting to fool this thing.

72,

Ron, KE6RS
Pinole, CA

Date: Fri, 11 May 2001 23:54:47 -0600 (MDT)
From: mugglesto@ecentral.com
To: qrp-l <qrp-l@lehigh.edu>
Subject: [98135] Solar Battery Packs
Message-ID: <Pine.LNX.4.10.10105112346140.781-1000000@mugleston.mugs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

My son just brought home a Land Rover parts catalog from Atlantic British Ltd. and on page 65 they have a solar battery charger that holds 8 AA batterys (nicad) for \$19.95. Says that it won't over charge.

For \$39.95 there is a larger version with a cigarette lighter socket that they say will run a small radio or charge your cell phone or computer battery.

The part number on the smaller one is 9312 and on the larger one 9314.
They have an 800 number of 800-533-2210 and are in New York.

I've never purchased anything from them and don't work there but the
battery pack looks very tempting.

Brad Mogleston, KI00T
Aurora, Arapahoe Cty, Colorado
DM79oq 39.692500N 104.802600W
CQC #170, QRP-L #316, NorCal #2934

Date: Sat, 12 May 2001 18:25:51 -0400
From: neil <wa4chq@qsl.net>
To: "qrp-l@Lehigh.EDU" <qrp-l@Lehigh.EDU>
Subject: [98136] N1XGJ ???
Message-ID: <3AFDB86F.E452F052@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Help....I received a qsl from Dave Viveiros, N1XGJ and I was his first
qrp qso....and his first with his new ft817. I returned my card to him
using the address from his qsl and I was surprised to see it was
returned. I double checked with qrz.com to make sure I had the correct
address and it was ok....
I would like to get a card to this op....anybody know him or his
whereabouts?
Tnx...de wa4chq Neil

Date: Sat, 12 May 2001 18:43:49 -0400
From: "Carter Craigie" <ccraigie@email.msn.com>
To: "Low Power Amateur Discussion" <qrp-l@Lehigh.EDU>
Subject: [98137] Thanks for reassurance!
Message-ID: <000901c0db35\$06265920\$cc190a3f@satellite>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thanks to all who wrote me that my Test Message Nr 2 got through OK. I had
been trying to post about my trip to the Appalachian Trail in Pennsy

tomorrow, and first two messages didn't go through for some reason.
Hope to work as many as I can, even though I don't think the bands will be much good.

For info on the Appalachian Trails award program take a look at www.n3epa.org, and go to Appalachian Trail link.

Many thanks to all for letting me know I was making the list ok!
73/72,

Carter N3AO
EPA QRP Nr. 13
K2, s/n 678
K1, s/n 159
n3ao@arrl.net

Date: Sat, 12 May 2001 18:54:49 -0400
From: Dan Poorman <dan@voyager.net>
To: qrp-l@Lehigh.EDU
Subject: [98138] printing help files
Message-ID: <tkfrftca8f3lpnoquibq3l2qmnrr563eg0v@4ax.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: quoted-printable

Has anyone found a program to print out the Help Files from various windows programs.

For example, MixW is one heck of a complicated program to use it to it's fullest. A printed manual would make that easier so I'd like to print out the help files.

Anyone have any ideas?

Thanks

Dan
WB8QKR

End of QRP-L Digest 2187

